

HAER
ID
12-SCOV
1B-

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

IDAHO NATIONAL ENGINEERING LABORATORY,
ADVANCED REENTRY VEHICLE FUZING SYSTEM
Scoville Vicinity
Butte County
Idaho

HAER No. ID-33-B

Michael Crane, Photographer. Photographs taken September 26, 1996.

- ID-33-B-1 VIEW OF ARVFS BUNKER TAKEN FROM GROUND ELEVATION. CAMERA FACING NORTH. VIEW SHOWS PROFILE OF BUNKER IN RELATION TO NATURAL GROUND ELEVATION. TOP OF BUNKER HAS APPROXIMATELY THREE FEET OF EARTH COVER.
- ID-33-B-2 VIEW OF ARVFS BUNKER TAKEN FROM GROUND ELEVATION FACING ENTRANCE TO BUNKER. CAMERA FACING EAST. EQUIPMENT INSIDE BUNKER IS RELATED TO CLEAN-UP PRIOR TO DEMOLITION. NOTE DRAIN COVER ON CONCRETE PAD AT LEFT OF VIEW.
- ID-33-B-3 VIEW OF ARVFS BUNKER TAKEN FROM APPROXIMATELY 150 FEET EAST OF BUNKER DOOR. CAMERA FACING WEST. VIEW SHOWS EARTH MOUND COVERING CONTROL BUNKER AND REMAINS OF CABLE CHASE.

Photos 4 - 27 are prints of historic photographs archived at the INEL Photo Library. Photos 4 through 9 were taken by a photographer named "Comiskey;" photos 10 through 19 by photographers "Farmer" and "Page." INEL negative identification number is included.

- ID-33-B-4 CONSTRUCTION PROGRESS VIEW OF EQUIPMENT IN FRONT PART OF CONTROL BUNKER (TRANSFORMER, HYDRAULIC

Idaho National Engineering Laboratory,
Advanced Reentry Vehicle Fuzing System
HAER No. ID-33-B
Index to Photographs (Page 3)

TANK, PUMP, MOTOR). SHOWS UNLINED CORRUGATED METAL WALL. CAMERA FACING EAST. INEL PHOTO NUMBER 65-5433, TAKEN OCTOBER 20, 1965.

- ID-33-B-5 CONSTRUCTION PROGRESS VIEW OF ASSEMBLY USED TO RAISE AND LOWER FUEL ELEMENTS. TAKEN FROM TOP OF SHIELDING TANK WITH CAMERA POINTING TOWARDS BOTTOM OF TANK. SHOWS LADDER, SQUARE LIFTING FRAME, FUEL ELEMENT HOLDERS, AND CABLE CYLINDERS. INEL PHOTO NUMBER 65-5434, TAKEN OCTOBER 20, 1965.
- ID-33-B-6 CONSTRUCTION PROGRESS VIEW (EXTERIOR) OF TANK, CABLE CHASE, AND MOUNDED BUNKER. CONSTRUCTION WAS 99 PERCENT COMPLETE. CAMERA IS FACING WEST. INEL PHOTO NUMBER 65-5435, TAKEN OCTOBER 20, 1965.
- ID-33-B-7 CONSTRUCTION PROGRESS VIEW (INTERIOR) OF CONTROL ROOM PANEL INSIDE BUNKER. SHOWS OPENING TO CABLE CHASE, FOUR PULLEY DEVICES, POWER OUTLET, CONDUIT, AND EAST END WALL OF BUNKER. INEL PHOTO NUMBER 65-5441, TAKEN OCTOBER 20, 1965.
- ID-33-B-8 CONSTRUCTION PROGRESS EXTERIOR VIEW OF NEARLY-COMPLETED FACILITY. SHOWS COVER OVER SHIELDING TANK, FRAMEWORK ASSEMBLY WITH GUY WIRES, FENCE AROUND TANK AREA, DANGER SIGNS, AND MOUNDED BUNKER IN BACKGROUND. INEL PHOTO NUMBER 65-5442, TAKEN OCTOBER 20, 1965.
- ID-33-B-9 EXTERIOR VIEW OF FRONT ENTRANCE TO BUNKER. CAMERA FACING EAST. TANK COVER AND FRAME TO THE REAR OF VIEW. INEL PHOTO NUMBER 65-6170, TAKEN NOVEMBER 10, 1965.
- ID-33-B-10 EXTERIOR VIEW OF ARVFS TEST FACILITY SHOWING BUNKER, CABLE CHASE, FRAME, AND SHIELDING TANK. CAMERA FACING NORTHEAST. INEL PHOTO NUMBER 65-6171, TAKEN NOVEMBER 10, 1965.
- ID-33-B-11 EXTERIOR VIEW OF UNITED STATES AIR FORCE MAN EXAMINING CONTENTS OF SHIELDING TANK AS FUEL ELEMENT ASSEMBLY IS RAISED AND LOWERED. INEL PHOTO NUMBER 65-6172, TAKEN NOVEMBER 10, 1965.
- ID-33-B-12 VIEW OF (PRESUMED) outhouse shed. Door has an Air Force insignia emblem affixed, "AIR FORCE WEAPONS LABORATORY." Other sign on door says, "BSD LIASON OFFICE." INEL PHOTO NUMBER 65-6173, TAKEN NOVEMBER

Idaho National Engineering Laboratory,
Advanced Reentry Vehicle Fuzing System
HAER No. ID-33-B
Index to Photographs (Page 4)

10, 1965.

- ID-33-B-13 CLOSE-UP OF FRONT OF BUNKER SHOWING DOOR, TANK, GENERATOR, LIGHT FIXTURE OVER DOOR. CAMERA FACING EAST. INEL PHOTO NUMBER 65-6174, TAKEN NOVEMBER 10, 1965.
- ID-33-B-14 CLOSE-UP OF RADIATION MONITORING EQUIPMENT ATTACHED TO FRAMEWORK. CAMERA FACING SKY. INEL PHOTO NUMBER 65-6175, TAKEN NOVEMBER 10, 1965.
- ID-33-B-15 VIEW OF DUMMY FUEL ELEMENT ON FUEL ELEMENT HOLDER. SHOWS AIR FORCE MAN AT EDGE OF TANK. INEL PHOTO NUMBER 65-6176, TAKEN NOVEMBER 10, 1965.
- ID-33-B-16 VIEW OF JUNCTION BETWEEN CABLE CHASE AND SHIELDING TANK. SHOWS CABLES AND LINES IN THE TRENCH, POLE OF FRAME ASSEMBLY, AND EQUIPMENT IN CONCRETE BOX ADJACENT TO CABLE CHASE. INEL PHOTO NUMBER 65-6178, TAKEN NOVEMBER 10, 1965.
- ID-33-B-17 INTERIOR VIEW INSIDE BUNKER. MAN SEATED AT LEFT LOOKS AT OPENING TO CABLE CHASE, HIS HANDS ON MANUALLY-OPERATED PULLEY. INEL PHOTO NUMBER 65-6179, TAKEN NOVEMBER 10, 1965.
- ID-33-B-18 INTERIOR VIEW INSIDE BUNKER DURING PREPARATIONS FOR TEST. SHOWS TWO OPERATORS, INCLUDING ONE AIR FORCE MAN, INSTRUMENT PANEL, EQUIPMENT, MONITORING SCREENS, AND OTHER EQUIPMENT, SOME OF IT NAMED (IE, "GALVANOMETER," "HONEYWELL," "KODAC." INEL PHOTO NUMBER 65-6180, TAKEN NOVEMBER 10, 1965.
- ID-33-B-19 INTERIOR VIEW INSIDE BUNKER SHOWING NITROGEN TANKS, "MOBILE AIR MONITOR" EQUIPMENT, MAN. INEL PHOTO NUMBER 65-6183, TAKEN NOVEMBER 10, 1965.
- ID-33-B-20 VIEW OF TEST FACILITY IN 1967 WHEN EQUIPPED FOR DOSIMETER TEST BY HEALTH PHYSICISTS. CAMERA FACING EAST. INEL PHOTO NUMBER 76-2853, TAKEN MAY 16, 1967. PHOTOGRAPHER: CAPEK.
- ID-33-B-21 VIEW OF BUNKER IN 1979 DURING INSPECTION OF NaK. SHOWS BUNKER WITH DOOR REMOVED AND SIDE "A" OF DUMPSTER INSIDE. CAMERA FACING EAST. INEL PHOTO NUMBER 79-7160. PHOTOGRAPHER NOT NAMED.
- ID-33-B-22 CLOSEUP OF BUNKER ENTRANCE WITH WORK CREW PRE-

Idaho National Engineering Laboratory,
Advanced Reentry Vehicle Fuzing System
HAER No. ID-33-B
Index to Photographs (Page 5)

PARING TO MOVE DUMPSTER. CAMERA FACING EAST. INEL PHOTO NUMBER 79-7187. PHOTOGRAPHER NOT NAMED.

- ID-33-B-23 VIEW OF CRANE PREPARING TO HANDLE BUNKER DOOR. CAMERA FACING NORTHEAST. INEL PHOTO NUMBER 79-7150. PHOTOGRAPHER NOT NAMED.
- ID-33-B-24 BUNKER WITH OPENING WELDED CLOSED AND POSTED WITH NOTICE. CAMERA FACING EAST. INEL PHOTO NUMBER 79-7164. PHOTOGRAPHER NOT NAMED.
- ID-33-B-25 VIEW OF METAL SHED CONSTRUCTED OVER SHIELDING TANK FOR WASTE FORMS RESPONSE PROJECT (WFRP) IN 1980. CAMERA FACING EAST. SHOWS REMAINS OF CABLE CHASE AND ITS COVER, DISCARDED COVERS TO THE TEST PIT. PHOTOGRAPHER STANDING ON THE DIRT FILL OVER THE BUNKER. INEL PHOTO NUMBER 83-476-2-8, TAKEN IN 1983. PHOTOGRAPHER NOT NAMED.
- ID-33-B-26 VIEW OF METAL SHED OVER SHIELDING TANK WITH CAMERA FACING SOUTHWEST. SHOWS OPEN SIDE OF SHED ROOF, HERCULON SHEET, AND HAND-OPERATED CRANE. TAKEN IN 1983. INEL PHOTO NUMBER 83-476-2-9, TAKEN IN 1983. PHOTOGRAPHER NOT NAMED.
- ID-33-B-27 AERIAL VIEW OF ARVFS FIELD TEST SITE AS IT LOOKED IN 1983. OBLIQUE VIEW FACING EAST. BUNKER IS IN FOREGROUND, PROTECTIVE SHED FOR WFRP AT TOP OF IMAGE. INEL PHOTO NUMBER 83-574-12-1, TAKEN IN 1983. PHOTOGRAPHER: ROMERO.

Photos ID-33-B-28 through ID-33-B-38 are photographic copies of architectural drawings of the ARVFS bunker.

- ID-33-B-28 MAP SHOWING LOCATION OF ARVFS FACILITY AS BUILT. SHOWS LINCOLN BOULEVARD, BIG LOST RIVER, AND NAVAL REACTORS FACILITY. F.C. TORKELSON DRAWING NUMBER 842-ARVFS-101-2. DATED OCTOBER 12, 1965. [INEL INDEX CODE NUMBER: 075 0101 851 151969.]
- ID-33-B-29 PLAN OF THE ARVFS FIELD TEST FACILITY SHOWING BUNKER, CABLE CHASE, SHIELDING TANK AND FRAME ASSEMBLY. F.C. TORKELSON DRAWING NUMBER 842-ARVFS-701-1. [INEL INDEX CODE NUMBER: 075 0701 851 151970.]
- ID-33-B-30 ELEVATION OF ARVFS FIELD TEST FACILITY SHOWING

Idaho National Engineering Laboratory,
Advanced Reentry Vehicle Fuzing System
HAER No. ID-33-B
Index to Photographs

(Page 6)⁵

VIEW OF SOUTH SIDE OF FACILITY, INCLUDING BUNKER,
CABLE CHASE, SHIELDING TANK, AND FRAME ASSEMBLY.
F.C. TORKELSON DRAWING NUMBER 842-ARVFS-701-2.
[INEL INDEX CODE NUMBER: 075 0701 851 151971.]

- ID-33-B-31 SECTIONS AND DETAILS OF ARVFS FACILITY, INCLUDING
RADIATION HAZARD SIGN, WOOD RETAINING WALL, TANK
COVER, AND DRAIN BOX. F.C. TORKELSON DRAWING
NUMBER 842-ARVFS-701-3. [INEL INDEX CODE NUMBER:
075 0701 851 151972.]
- ID-33-B-32 ISOMETRIC VIEW OF PIPING PLAN, SHOWING PATH OF
CONDUIT FROM CONTROL BUNKER TO SHIELDING TANK.
F.C. TORKELSON DRAWING NUMBER 842-ARVFS-701-P-1.
[INEL INDEX CODE NUMBER: 075 0701 60 851 151977.]
- ID-33-B-33 DETAILS OF SAMPLE SUPPORT FRAME ASSEMBLY, LIFTING
LUG, AND SAMPLE CARRIER ROD. F.C. TORKELSON
DRAWING NUMBER 842-ARVFS-701-S-5. [INEL INDEX CODE
NUMBER: 075 0701 60 851 151979.]
- ID-33-B-34 DETAILS AND SECTIONS OF SHIELDING TANK FUEL
ELEMENT SUPPORT FRAME. F.C. TORKELSON DRAWING
NUMBER 842-ARVFS-701-S-4. [INEL INDEX CODE NUMBER:
075 0701 60 851 151978.]
- ID-33-B-35 DETAILS AND SECTIONS OF FUEL ELEMENT SUPPORT
PLATFORM, FUEL ELEMENT HOLDER, TRIP MECHANISM
COVER, AND OTHER DETAILS. F.C. TORKELSON DRAWING
NUMBER 842-ARVFS-701-S-3. [INEL INDEX CODE NUMBER:
075 0701 60 851 151977.]
- ID-33-B-36 DETAILS AND SECTIONS OF SHIELDING TANK, FUEL
ELEMENT SUPPORT FRAME AND SUPPORT PLATFORM, AND
SAFETY MECHANISM ASSEMBLY (SPRING-LOADED HINGE).
F.C. TORKELSON DRAWING NUMBER 842-ARVFS-701-S-1.
[INEL INDEX CODE NUMBER: 075 0701 60 851 151975.]
- ID-33-B-37 ELECTRICAL PLAN AND DETAILS. SHOWS PLANNED
LOCATION OF PORTABLE GENERATOR. FUNCTION OF FOUR-
FOOT SQUARE PIT IS SHOWN AS "D.C. POWER SUPPLY
PIT." F.C. TORKELSON DRAWING NUMBER 842-ARVFS-701-
E-1. [INEL INDEX CODE NUMBER: 075 0701 10 851
151973.]
- ID-33-B-38 DETAIL OF CYLINDER LEVELING SYSTEM SHOWING TYPICAL
UPPER AND LOWER PULLEY BRACKET. F.C. TORKELSON
DRAWING NUMBER 842-ARVFS-701-S-8. [INEL INDEX CODE

Idaho National Engineering Laboratory,
Advanced Reentry Vehicle Fuzing System
HAER No. ID-33-B
Index to Photographs (Page 6)

NUMBER: 075 0701 60 851 151983.]

Notes:

1. The historical prints selected for this report are part of a large collection located at the Idaho National Engineering Laboratory's Photograph Library in Idaho Falls, Idaho. The library indexes negatives according to name of facility, year of photograph, and sequence number. Most photographs are dated. Additional images of activities at ARVFS are in the collection.
2. The architectural drawings reproduced for this report are part of a large collection of architectural and engineering drawings located in the Records Storage Warehouse at the Central Facilities Area of the Idaho National Engineering Laboratory. Each drawing also is microfilmed and indexed on INEL's Engineering Drawing Microfilm System.
3. For written historical and descriptive information on ARVFS, please see main entry for Idaho National Engineering Laboratory, Advanced Reentry Vehicle Fuzing System, HAER No. ID-33-B.
4. The INEL photographic and engineering archives date from the earliest operations at the National Reactor Testing Station. They document construction progress, events, equipment and procedures. Photographers also made periodic aerial surveys of the site. Most of these resources are available for examination and reproduction.